ODIS Science Data Support Team (SDST) Meeting Minutes 04/24/92

TENDEES: Paul Anuta   MCST/RDC   286-9412
      Lloyd Carpenter   RDC   982-3708
      Larry Fishtahler   CSC   464-3385
      Al Fleig   900   286-7747
      Liam Gumley   RDC   982-3748
      Janine Harrison   920   286-5324
      Ed Masuoka   920   286-7608
      Virginia Kalb   920.2   286-2605
      J-J Pan   RDC   982-3738
      Shahin Samadi   920.2/RMS   286-8510
      Steve Ungar   923/MCST   286-4007
      Lalit Wanchoo   STX   513 1682
      Will Webster   920.2   286-4506

XT MEETING: Date   Time   Building   Room
      Friday, May 1   10:00 am   22   G95

PICS:

MODIS SDST TRACKING LIST: The SDST needs to keep track of an extensive list of individual items of work to be done and decisio
e followed. A draft tracking list was included in the handout, and discussed in some detail. A draft list of SDST deliverables was al
luded.

MODIS AIRBORNE SIMULATOR (MAS): Liam Gumley presented a report on MAS Status. Dorothy Hall's group had experienced son
blems with MAS Level-1 data. Upon looking at the data, Liam found that for the 31-Oct-91 flight they were using, channel 2 w
rating, and channel 7-9 data were very noisy. The main difficulty seemed to be an EASI/PACE problem in reading the data. (This w
firmed after the meeting to be a problem within EASI/PACE.)

m wrote a short program called read-cdf which will dump specified data from an MAS Level-1 file. This handy program is listed in tl
dout, together with sample output. The program was also uploaded to the MAS FTP site for easy access by users.

m showed plots of the black-body data averaging which had been proposed to reduce image striping caused by scatter in the black- bo
ints.

m was approved to go to Ames during the MAS integration and test period (probably the week of May 18th), preparatory to the ASTE
loyment. He and Tom Arnold will be checked out on the MAS Quick View System (QVS) procedures for ASTEX.

CODING RECOMMENDATIONS: J. J. Pan presented a draft of several recommended examples of structured coding in FORTRAN, to l
art of the Coding Recommendations for the MODIS Science Team. The examples relate to data input, data validation, file manipulatic
ctured coding, IF-THEN structure, readability, and code checking.

Lloyd Carpenter presented a preliminary outline of the MODIS SDST Software and Data Management Plan. A draft version is due as
iverable in June. This plan should clearly specify the responsibilities of the SDST and the TMs for software development, testing, deliver

intenance, etc. The iterative Level-2 code integration process should also be discussed. A list of algorithms and data products should also l luded in the plan.

CODE 500 SOFTWARE TOOLS: Frank McGarry will come to the next SDST meeting (May 1st) to inform the SDST on softwa velopment tools used and recommended by the Software Engineering Laboratory.

MODIS TEAM LEADER COMPUTING FACILITY (TLCF) STATUS: Ed Masuoka reported on the purchase of an additional disk and i m tape drive. The purchase of an HP 9000 730 work station has also been initiated. It will take about 90 days. The Sun workstation w be upgraded.

proposed that the Cheshire be used to run Cadre Teamwork. Will Webster emphasized the importance of getting Cadre up and runni n.

SCIENCE COMPUTING FACILITY (SCF) PLAN: The MODIS Science Team Members would like to have the Team Leader's Scien mputing Facility Plan completed and available to them for use as an example for developing their individual SCF plans. Ours should l ie by May 10th to provide time for review and changes before the June due date.

TION ITEMS:

24/92 [Lloyd Carpenter] Prepare the Team Leader's Software and Data Management Plan for review. STATUS: Open. Due Date: May 1)2.

24/92 [Lloyd Carpenter] Prepare the Team Leader's Science Computing Facility Plan for review. STATUS: Open. Due Date: May 1)2.

24/92 [Tom Goff] Develop a detailed schedule through to the delivery of Version 1 to the DAAC for Level-1A and -1B software design ai velopment, identification of risk areas in Level-1A and -1B design, and prototyping of risks. STATUS: Open. Due Date:

24/92 [J. J. Pan] Develop a detailed schedule for the Level-2 Processing Shell design and development, identification of risk areas in tl el-2 Processing Shell design and development, and prototyping of risks, through to the delivery of Version 1 to the DAAC. Develop ailed schedule for a typical algorithm integration into the Level-2 processing shell. STATUS: Open. Due Date:

24/92 [Lloyd Carpenter & Team] Develop a staffing plan for the accomplishment of the tasks shown on the schedule. STATUS: Ope e Date: